SERIAL/ PARALLEL COMBO PCI CARD
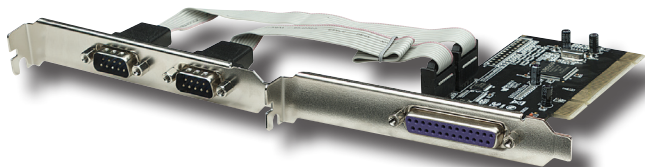# USER MANUAL
MODEL 158251

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INTRODUCTION

Thank you for purchasing this MANHATTAN® Serial/Parallel Combo PCI Card, Model 158251.

Compatible with most RS-232 peripherals, this card with two external serial DB9 ports is an ideal solution for attaching two serial devices — modems, barcode scanners, printers and more — and a parallel DB25 port through a single PCI card and two open rear expansion slots. Its two high-speed 16C550 UART serial DB9 Com ports fully support PCI IRQ sharing even if accessed simultaneously to help save valuable resources for other expansion cards. The DB25 port with Enhanced Parallel Port (EPP), Standard Parallel Port (SPP) and Enhanced Capability Port (ECP) help support the faster transfer of large amounts of data.

The easy-to-follow instructions in this manual help make installation of the card quick and simple, so you'll also soon be enjoying the benefits of these additional features:

• Maximum 115.2 kbps throughput on each serial port
• Up to 1.5 MBps parallel throughput
• Universal bus power design for 5 V and 3.3 V
• Fully supports PCI IRQ sharing
• Automatically selects IRQ and IO address
• Lifetime Warranty

NOTE: To ensure proper operation, make sure that you complete the driver installation before proceeding with the hardware installation.

System Requirements

• Windows 2000/XP/Server 2003/Vista 32/64-bit
• 2 available punch-out expansion slots and 1 PCI slot

Package Contents

• Serial/Parallel Combo PCI Card with expansion plate
• User manual and driver CD

DRIVER INSTALLATION

IMPORTANT: Make sure that you've completed the driver installation before proceeding with the hardware installation.

Windows 2000 / XP / Server 2003
1. Insert the included driver CD in the PC's CD-ROM drive.
2. On the desktop, click "Start," then click "Run."
3. Enter "D:\PCI_IO\MCS9865\XP\PCISetup.exe," then click "OK."
4. Click "Install" to install the drivers.
5. Click "Exit" to complete the driver installation.
6. Shut down the PC.
7. Place the PCI card into PCI slot (see Hardware Installation below), then power on the system.
8. Once the system boots, Windows will automatically start installing the driver software.

Windows XP-x64 / Server 2003-x64
1. Insert the included driver CD in the PC's CD-ROM drive.
2. Enter "D:\PCI_IO\MCS9865\XP64\PCISetup.exe," then click "OK."
3. Click "Install" to install the drivers.
4. Click "Exit" to complete the driver installation.
5. Shut down the PC.
6. Place the PCI card into PCI slot (see Hardware Installation below), then power on the system.
7. Once the system boots, Windows will automatically start installing the driver software.

Windows Vista
1. Insert the included driver CD in the PC's CD-ROM drive.
2. Enter "D:\PCI_IO\MCS9865\Vista32\PCISetup.exe," then click "OK."
3. Click "Install" to install the drivers.
4. Click "Exit" to complete the driver installation.
5. Shut down the PC.
6. Place the PCI card into PCI slot (see Hardware Installation below), then power on the system.
7. Once the system boots, Windows will automatically start installing the driver software.

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Windows Vista-x64
1. Insert the included driver CD in the PC's CD-ROM drive.
2. Enter "D:\PCI_IO\MCS9865\Vista64\PCISetup.exe," then click "OK."
3. Click "Install" to install the drivers.
4. Click "Exit" to complete the driver installation.
5. Shut down the PC.
6. Place the PCI card into PCI slot (see Hardware Installation below), then power on the system.
7. Once the system boots, Windows will automatically start installing the driver software.

Verify Windows Driver Installation
1. From the Control Panel, go to System Properties and click "Device Manager."
2. Find the "Ports (COM & LPT)" listing and confirm that two "High-Speed PCI Serial Port" items are displayed, plus one "PCI ECP Parallel Port" item.

HARDWARE INSTALLATION

IMPORTANT: Make sure that you've completed the driver installation before proceeding with the hardware installation.

1. Turn off your computer.
2. Unplug the power cord and remove your computer's cover.
3. Remove the slot bracket from an available PCI slot.
4. To install the card, carefully align the card's bus connector with the selected PCI slot on the motherboard. Push the board down firmly.
5. Replace the slot bracket's holding screw to secure the card.
6. Replace the computer cover and reconnect the power cord.

SPECIFICATIONS

Standards and Certifications
• CE
• FCC
• RS-232c
• PCI 2.3
• WEEE

General
• 2 serial DB9 male connections; maximum 115.2 kbps throughput on each port (256 byte FIFO)
• 1 parallel DB25 female connection; maximum 1.5 MBps throughput (256 byte FIFO)
• MosChip 9865 chipset
• Requires (2) available punch-out expansion and (1) PCI slots
• Windows 2000/XP/Server 2003/Vista 32/64-bit compatible

Bus
• PCI 2.3 32-bit, 33 MHz
• Supports 32-bit PCI slot
• 5 / 3.3 V bus power

Physical
• Dimensions:
  - Controller card: 124 x 122 x 23 mm (4.9 x 4.8 x 0.9 in.)
  - Serial expansion plate, including cable: 181 x 122 x 23 mm (7.1 x 4.8 x 0.9 in.)
• Weight: 96.3 g (3.4 oz.)

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